224. The position of die block 226 is controlled by a fixed pressure bridge 230 which is adapted to threadedly receive at least one, and preferably at least two, pressure screws 232. Pressure screws 232 are actuated with respect to pressure bridge 230 until ends 240 of pressure screw 232 contact roller block 226. Pressure screws 232 exert radial forces on roller block 226, which causes pressure rollers 228 to likewise apply forces to die bearers 224 which decreases the spacing or clearance between cutting die 218 and base roller 212, that is identified in FIG. 3 as "CL." When properly adjusted, the height of cutters 238, or the amount of protrusion cutters 238 radially outwardly extend from the surface of cutting die 218, identified in FIG. 3 as "CH" for cutter height, subtracted from spacing CL should substantially equal the thickness of carrier paper 202 of tape 206 (FIGS. 4 and 8) so that cutters 238 cut the profile of label 120 into film 204 of tape 206 of roll 200. This is stated symbolically in equation 1, where "T" is the thickness of carrier layer 202 (FIG. 8), although it is, of course, realized that cutters 238 may extend or cut partially into carrier layer 202 without cutting through carrier layer 202.

$$CL-CH=T$$
 [1]

[0032] To ensure the proper adjustment setting is maintained, a lock nut 234, having a handle 236 for ease of use, is actuated to forcefully abut lock nut 234 against pressure bridge 230 to prevent pressure screw 232 from actuating with respect to pressure bridge 230.

[0033] Referring to FIGS. 4-7, label 120 comprises a layer of film material 204 of preselected thickness for any material preferably having sufficient cross-directional tear properties so that the spine 124 tears along microperforations 128, since it is highly preferred to maintain the orientation of label 120, and microperforations 128, with respect to tape 206 (FIG. 4). Known film layer constructions have lacked sufficient cross-directional tear properties to permit removal of the spine in a contiguous piece. By maintaining this orientation, label 120 is compatible with existing packaging equipment. A preferred label material is polyethylene having a thickness of about 3.4 mils (0.0034 inches) with a backing or release layer of siliconized polyester with a silicon release coating, the release layer having a thickness of about 1 mil (0.001 inches). Although other label materials may be configured for use, polyethylene material in combination with the sized microperforations, which are described in further detail below, provide superior results. Applicant has discovered that the preferred material still functions as desired, even when the product, that is, the container housing an item to which the label is affixed, is subjected to an extended shelf life prior to opening the container. Stated another way, this combination of label material and microperforations is resistant to material embrittlement.

[0034] In the case of CD jewel boxes, microperforations 128 are separated by a gap indicated by "G" which substantially corresponds to the distance between the edges of side portion 116 (see FIGS. 2 and 5). In this arrangement, upon removal of spine 124 by tearing along microperforations 128, the resulting edges of the segments 122 adjacent spine 124 which remain attached to container 10 are clean, unobtrusive and have a professional appearance. In other words, it is not necessary to remove the remaining segments 122 from container 10. In contrast, even specially configured tools which may be employed to open CD containers using prior art labels by introducing a slit in the spine, at best,

leave protruding flaps of spine material which typically cannot be removed cleanly short of completely removing the label material.

[0035] Preferably, microperforations 128 comprise a series of spaced slits 132 or cuts of uniform length between ties 134 of uniform length, which ties are typically uncut lengths of label material. However, it is not necessary that either slits 132 or ties 134 be of uniform length. Additionally, it is not necessary that slits 132 be formed entirely through the thickness of film 204, and that ties 134 may be of reduced thickness as compared to the thickness of film 204. In combination with the polyethylene film label material previously discussed, the microperforations 128 preferably includes slits 132 of about 34 mils (0.034 inches) separated by ties 134 of about 8 mils (0.008 inches). To assist the tearing of spine 124 along microperforations 128, preferably each of a pair of junctions 140 located along microperforations 128 adjacent tab 130 begin the microperforation sequence of alternating slits 132 and ties 134 with a slit. In an alternate embodiment (not shown), tab 130 may protrude from each end of spine 124.

[0036] While one example of a material and microperforation configuration is provided above, it may be possible that any preselected label thickness may be used. Additionally, the label may be of non-uniform thickness or have multiple thicknesses, and for any material when combined with compatibly configured microperforations, which may or may not be similarly sized as previously discussed, may tear along the microperforations. Stated another way, although a preferred embodiment identifies a material thickness of 0.0034 inch, it is contemplated that virtually any label material thickness may be used with the present invention so long as the spine is removable as previously discussed. However, it is also realized that when the thickness of the label reaches a certain thickness threshold dimension, such as about 0.25 inch or a predetermined ratio of the thickness of the label material to the thickness of the container such as about 0.25, reducing the number of containers that may be placed inside a shipping or display area, such material thickness, while possible to achieve and contemplated by the present invention, may be commercially unfeasible.

[0037] Optionally, for a label having a single tab 130, substantially along the end of spine 124 opposite tab 130 is an extended tie 136, measuring about 50 mils (0.050 inches) for the specific combination of material and microperforations 128. Upon removing spine 124, as previously discussed above, having extended tie 136, material from label segments 122 adjacent the extended tie 136 does not sever cleanly, but plastically distorts at least a portion of the segments 122, providing evidence of tempering. It is also contemplated that this plastically distorted material may change color with respect to the label material as applied onto the container, providing more pronounced visual evidence of tampering. Of course, it is understood by those having skill in the art that once spine 124 is removed, it cannot be replaced.

[0038] Although primarily for manufacturing convenience, the outer edges of label segments 122 may include a nonlinear profile 123 or outermost edge, which permits more uniform material forming loads on the cutting dies 218 during operation of die assembly 210. Referring back to